

ANALYZING SAMPLES FOR NUCLEAR FORENSIC SIGNATURES.

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For several years now, Isotope Sciences Division at Lawrence Livermore National Laboratory has been applying their capabilities toward further development of the field of nuclear forensics. During this time, several types of samples have been analyzed looking for a variety of nuclear signatures, often with surprising results. Recently a package was assembled by some individuals and presented to us blind to ascertain what could be determined from it by various laboratories within a short length of time, both from a nuclear forensics viewpoint and from a traditional criminal forensic viewpoint. In this talk, I will describe some of the experiences we have had doing nuclear forensic analyses on components of this package.

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